



COMPACT TUNED HF DIPOLE ANTENNA

HDX-400 Tuned Active Antenna System ALE & Selcall Compatible

The Bushcomm Horizontal Tuned Dipole is designed for conditions where space is at a premium but a high performance base station antenna is still required.

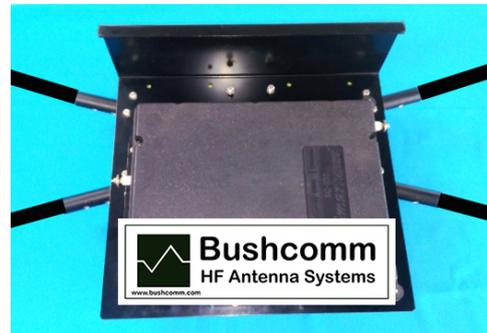
The vertically asymmetric aluminium dipole elements have been configured to optimise both NVIS and medium distance propagation characteristics.

Although the integrated tuner does have specific Barrett & Codan modes, *it is also compatible with standard Voice operation* on most other 125W transceivers, allowing fast and easy operation at any frequency between 3 - 30Mhz.

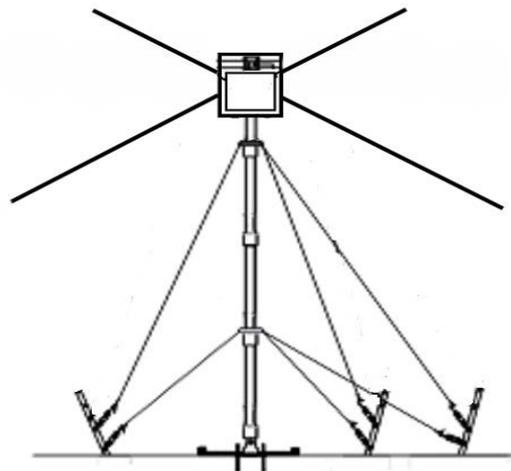
The integrated Rx preamp provides broadband impedance matching during scan mode (receive) operation. This ensures compatibility with modern link establishment protocols such as ALE, Selcall and Modem/Data modes. - *Note that the Rx preamp mode is compatible with Barrett 2050/4050 & Codan NGT/Envoy transceivers only*

Assembly fixtures are supplied to suit a 50mm diameter mast stub or optional Bushcomm lightweight modular tower. The elements are supplied in two metre lengths to assist shipping. Assembly instructions are included.

***** High 230 kmh wind rating option available *****



Mounted tuner with preamp



Optional ground or roof mount 6 metre tower systems are also available in both heavy duty and high wind loading models. # BU00717





Specification Summary

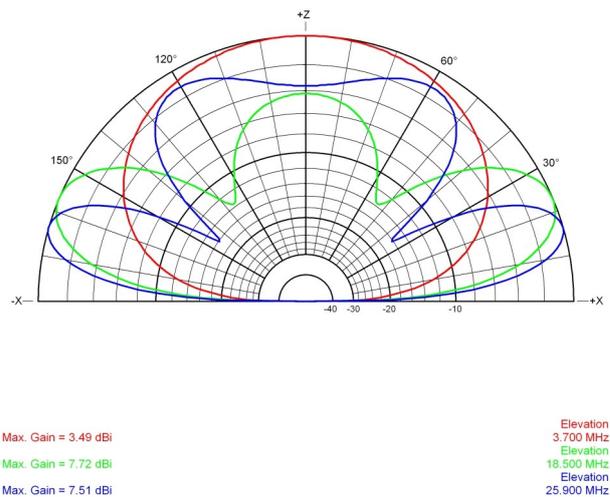
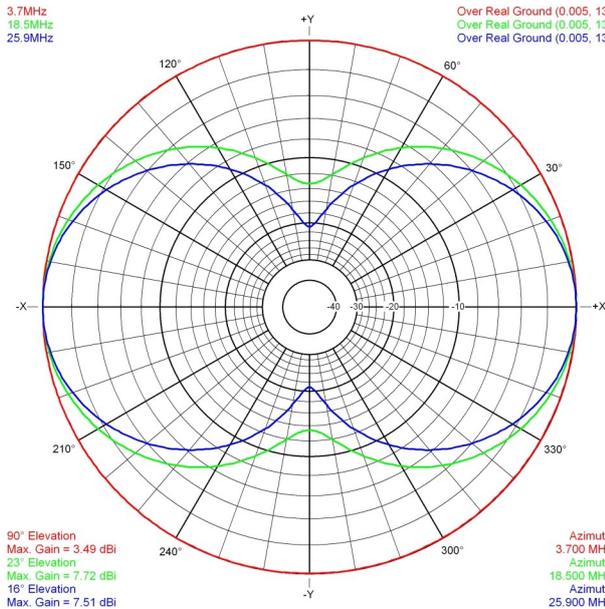
ELECTRICAL	
Frequency range	3-30 MHz
VSWR	1.5:1
Polarisation	Horizontal
Impedance	50 Ohm (nominal)
Preamp gain	1db
Power input range	3 to 200 watts pep
VSWR: (typical)	Typically less than 1.4:1
DC Operating range	+10 to 15 VDC
Input current average	0.9 Amp
Tuning time	Typical: less than 2 seconds
Switching time	Typical: less than 10 milliseconds
Non-volatile memory address	170

MECHANICAL	
Width	8m
Operating temp	-35 to 70 C
Wind rating	150/230*km/hr
Weight (complete antenna)	10kg
Weight (optional 6m mast)	27kg



Internal View of Bushcomm pre-amp

*230 kmh wind rated version employing 2024-T3 aircraft grade aluminium elements available upon request.



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